

FIG. 1

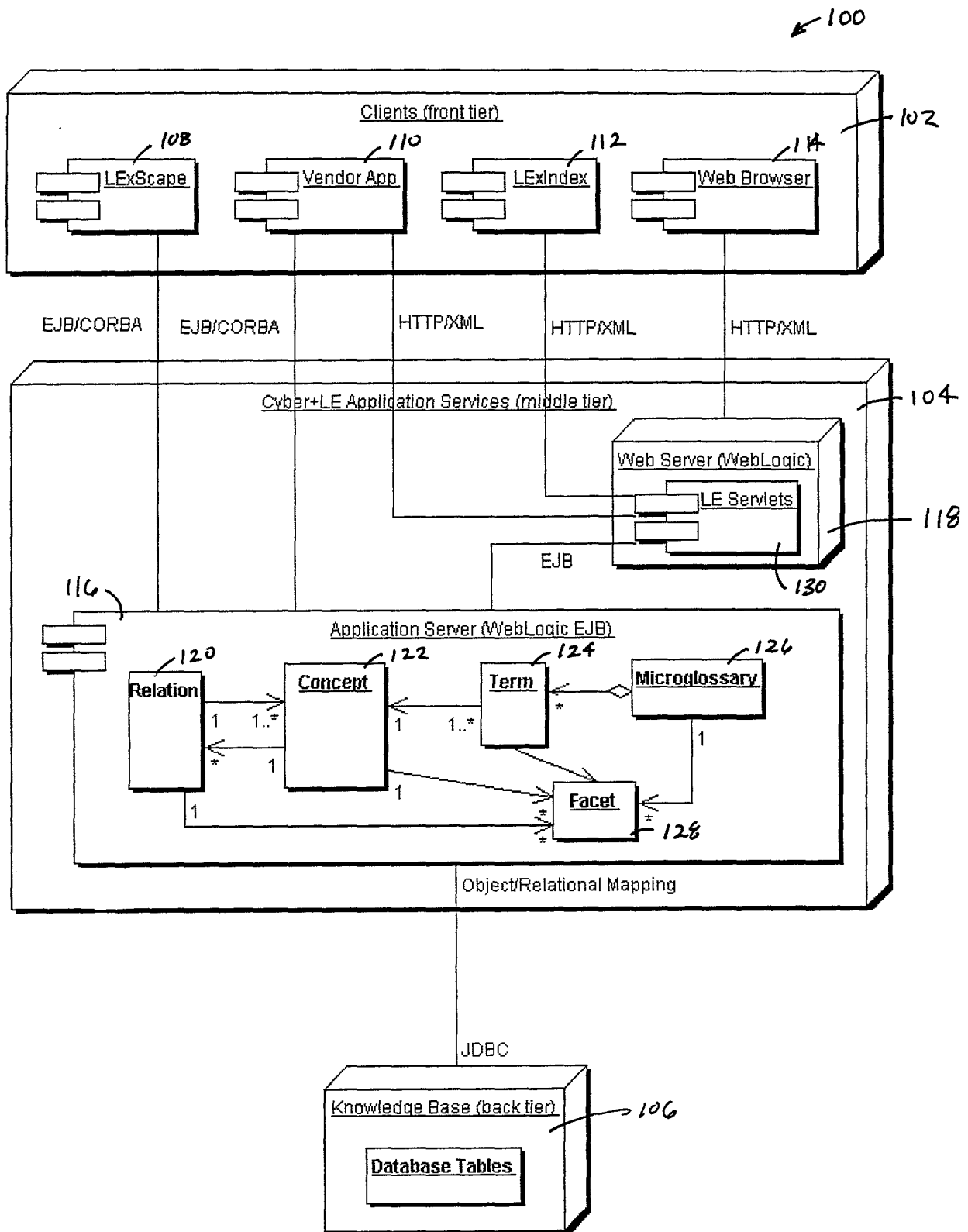


FIG. 1

FIG. 2000-194260

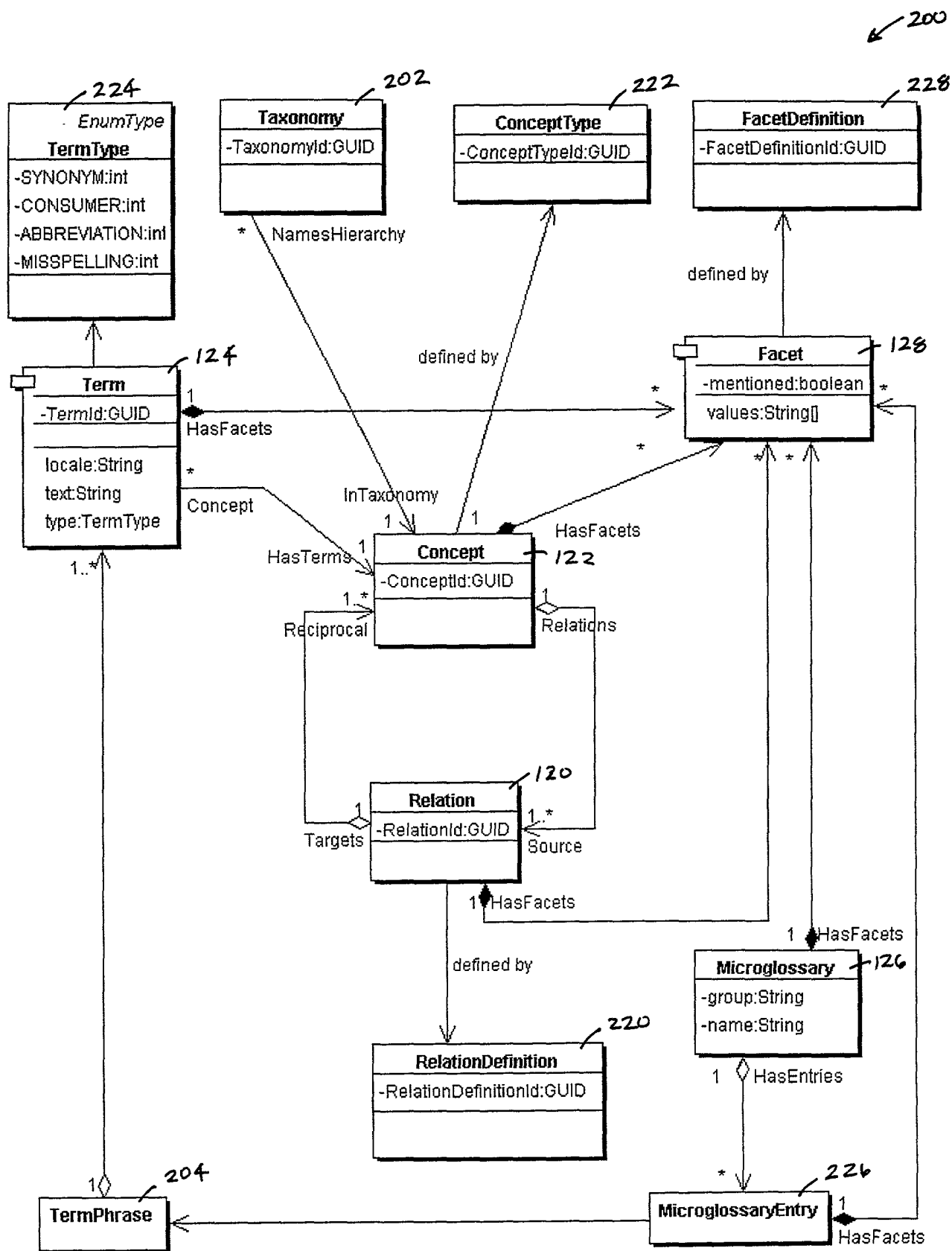


FIG. 2

# Figure 3A

300

pushpin 325

The screenshot shows a medical software interface with several panels and a central concept display. The central display shows a concept hierarchy for 'Arthroscopy of wrist' and 'Arthroscopy of wrist joint for synovectomy'. The right side features an 'attribute panel' with fields for CPT CODE, SNOMED CODE, and HAS BODY SITE. Below this is a 'concept details' section with a GUID and a 'term panel' listing various terms and their types. The bottom of the interface includes a 'workbench' with a list of infectious diseases, a 'Radiology Procedures' list, and a 'status bar' at the very bottom. Navigation and editing tools are indicated by arrows and labels on the left and bottom.

attribute panel 330

lateral relation

concept details 335

GUID

term panel 340

305 concept display

310 focus concept

315 lateral relation or navigation line

320

345 workbench

370 status bar

term facets

relation facets

microglossaries

term phrase editor

355 360

350

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FIG. 3B

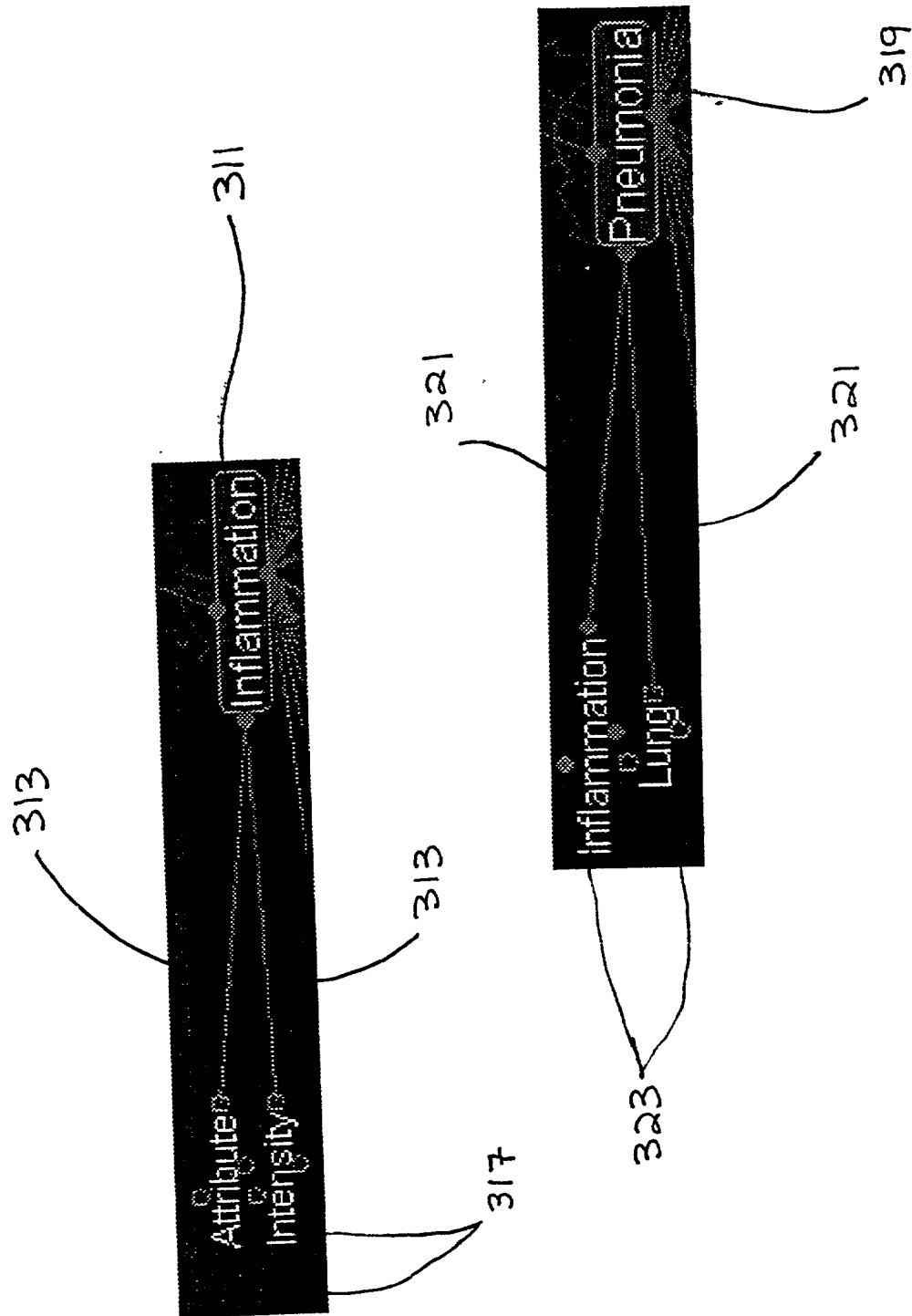


Figure 4

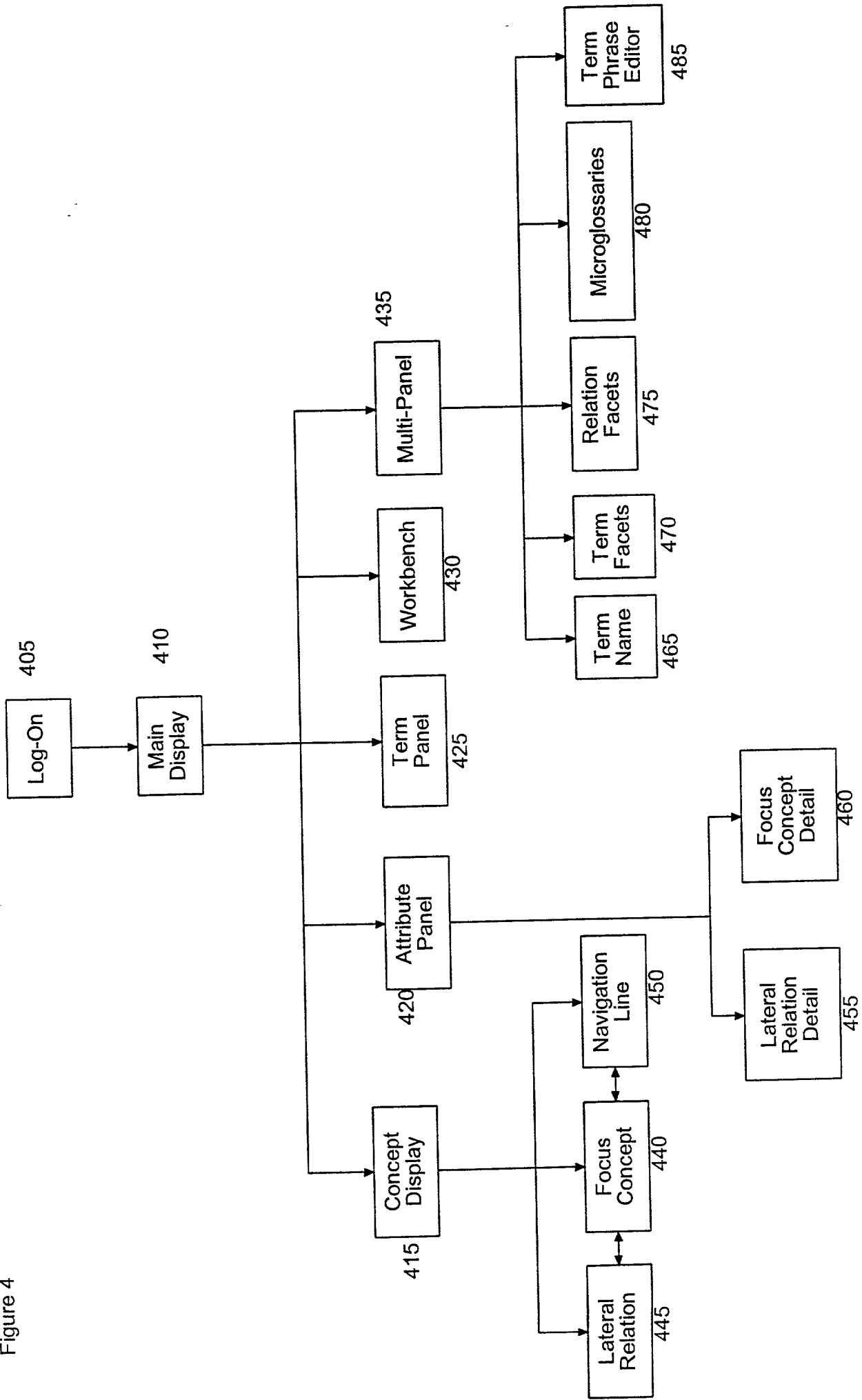


Figure 5

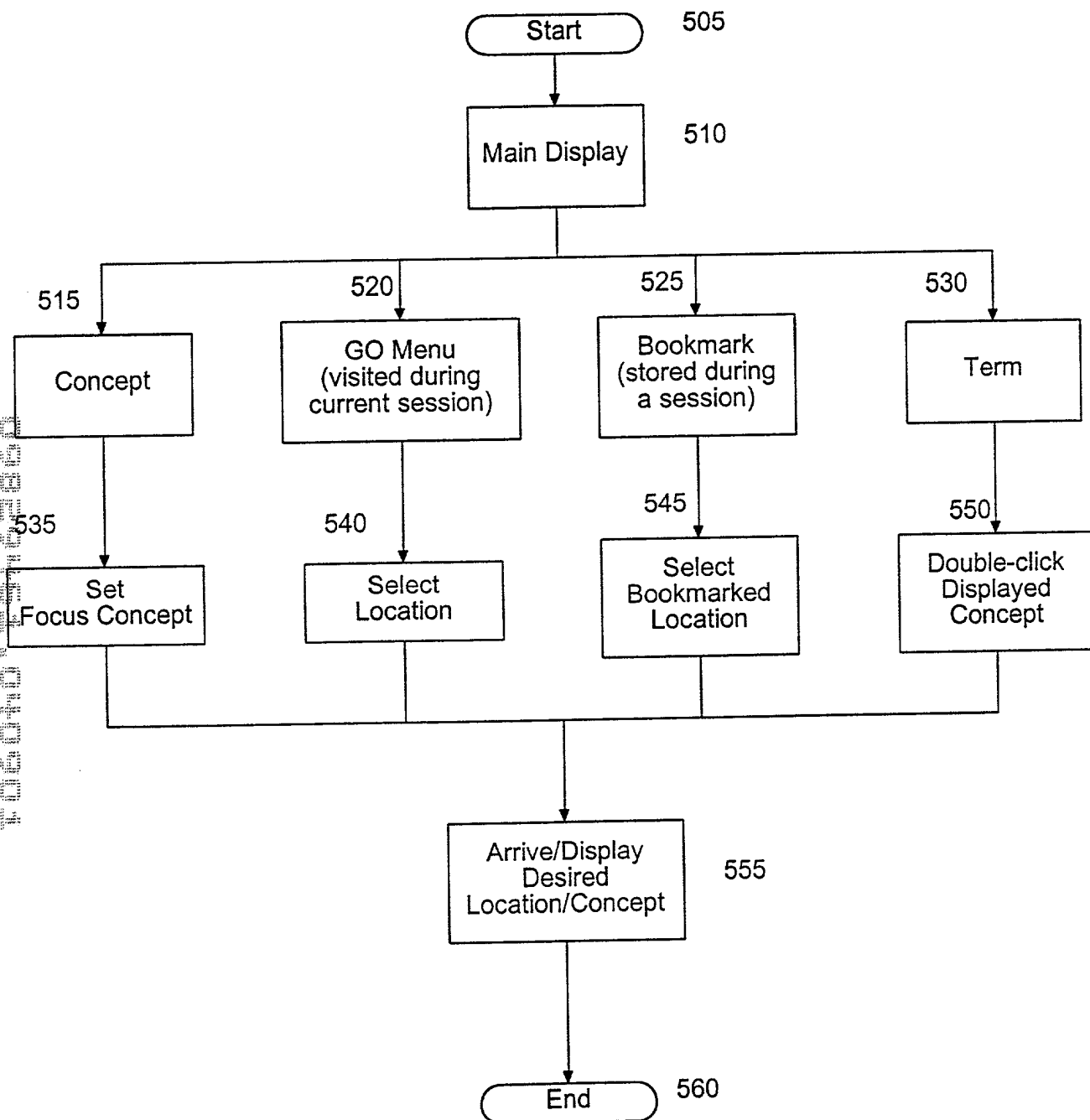


Figure 6A

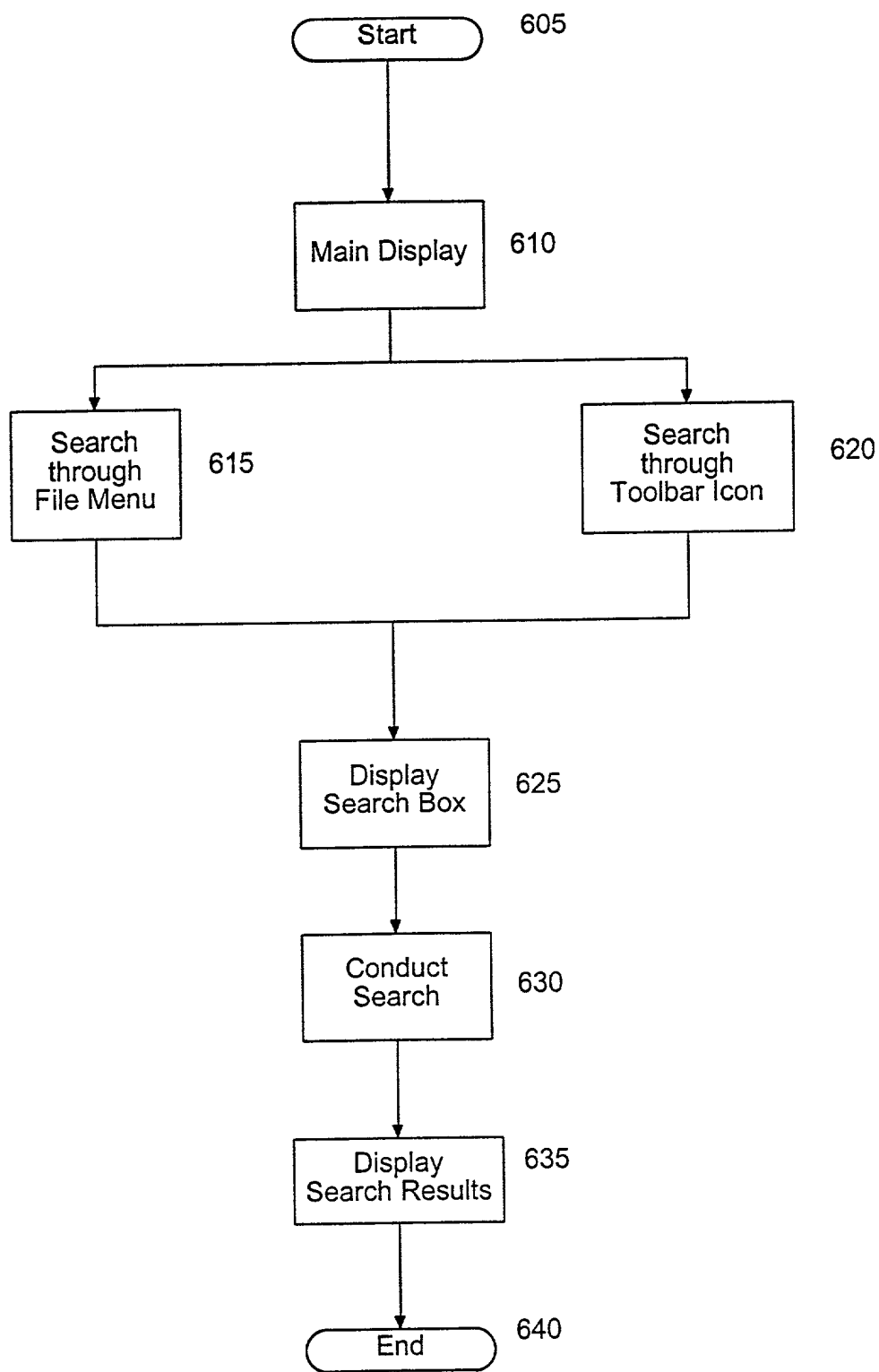


Figure 6B

FIG. 6B

The screenshot shows a search window titled "Search the LE Content". It includes several search options: "Full Text Search" (selected), "By Term", "By Facet", "Restrict Taxonomy", and "Restrict Concept Type". There are input fields for "Any Term", "Start with", "End with", and "Concept Type". Search criteria are set to "Exact Match", "Contains", "Starts With", and "Fuzzy". The search term "Heart Disease" is entered in the search box. A "Search" button is present. Below the search box, the "Search Results" section displays a table with three columns: "Any Term", "Display", and "Concept Type". The table lists 12 results, including "Acute edema of lung ...", "Acute heart disease", "Acute ischaemic heart...", "Acute ischaemic heart...", "Acute ischemic heart...", "Acute pulmonary ede...", "Acute pulmonary heart...", "Acute pulmonary heart...", "Acute rheumatic heart...", "Acute rheumatic heart...", and "Acute rheumatic heart...". The results are sorted by "Display" and "Concept Type". At the bottom, there are "Previous 25" and "Next 25" buttons, a "Showing first 25 of 182 results" indicator, and a "Close" button.

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Any Term	Display	Concept Type
Acute edema of lung ...	Left heart failure	FOUNDATION
Acute heart disease	Acute heart disease	FOUNDATION
Acute ischaemic heart...	Acute ischaemic heart...	ICD-10
Acute ischaemic heart...	Acute ischaemic heart...	ICD-10-AM
Acute ischemic heart ...	Acute ischemic heart ...	FOUNDATION
Acute pulmonary ede...	Left heart failure	FOUNDATION
Acute pulmonary heart...	Acute pulmonary heart...	FOUNDATION
Acute pulmonary heart...	Acute pulmonary heart...	ICD-9-CM
Acute rheumatic heart ...	Acute rheumatic heart ...	FOUNDATION
Acute rheumatic heart ...	Acute rheumatic heart ...	ICD-10-AM
Acute rheumatic heart ...	Acute rheumatic heart ...	ICD-10

Showing first 25 of 182 results



Figure 7

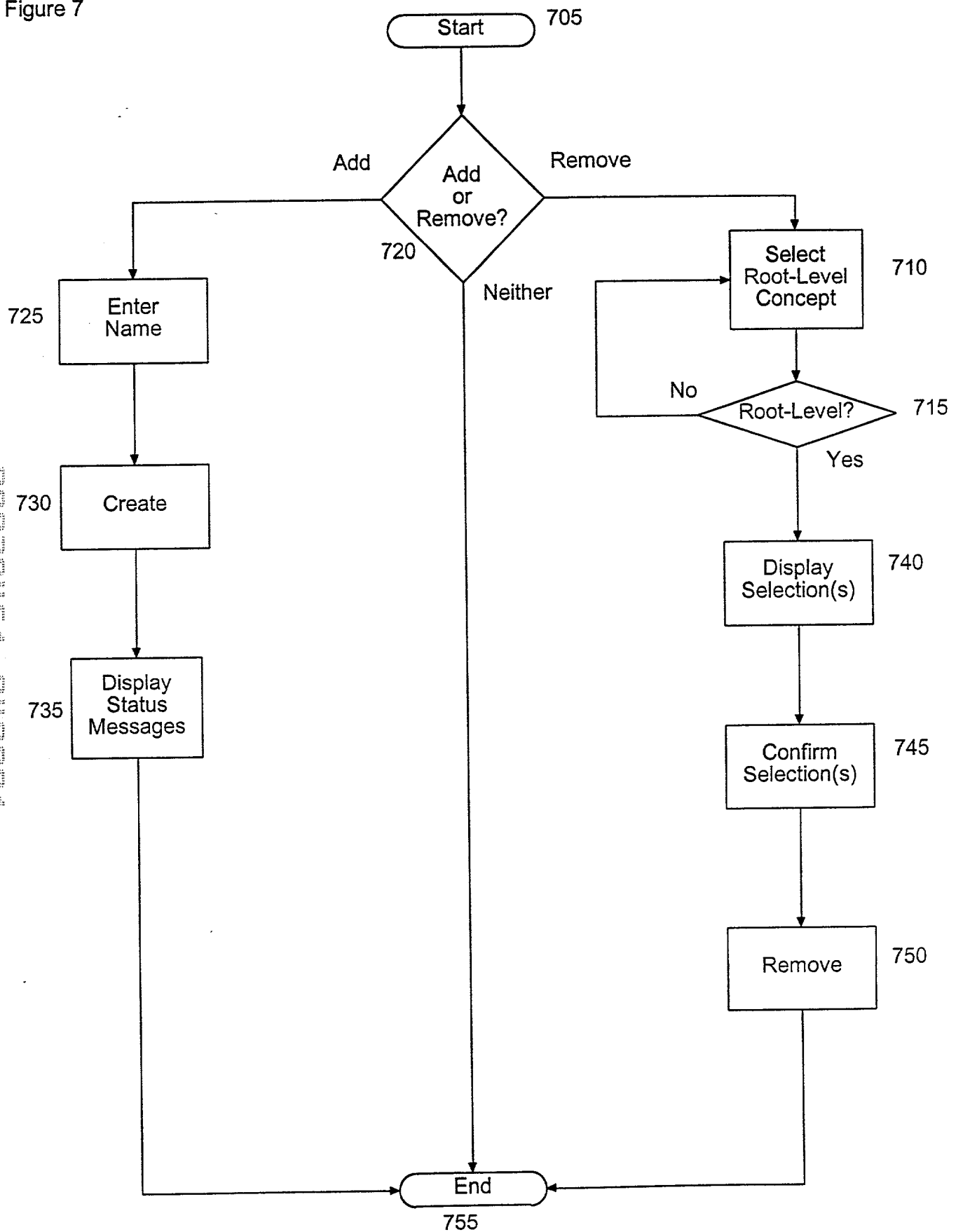


Figure 8A

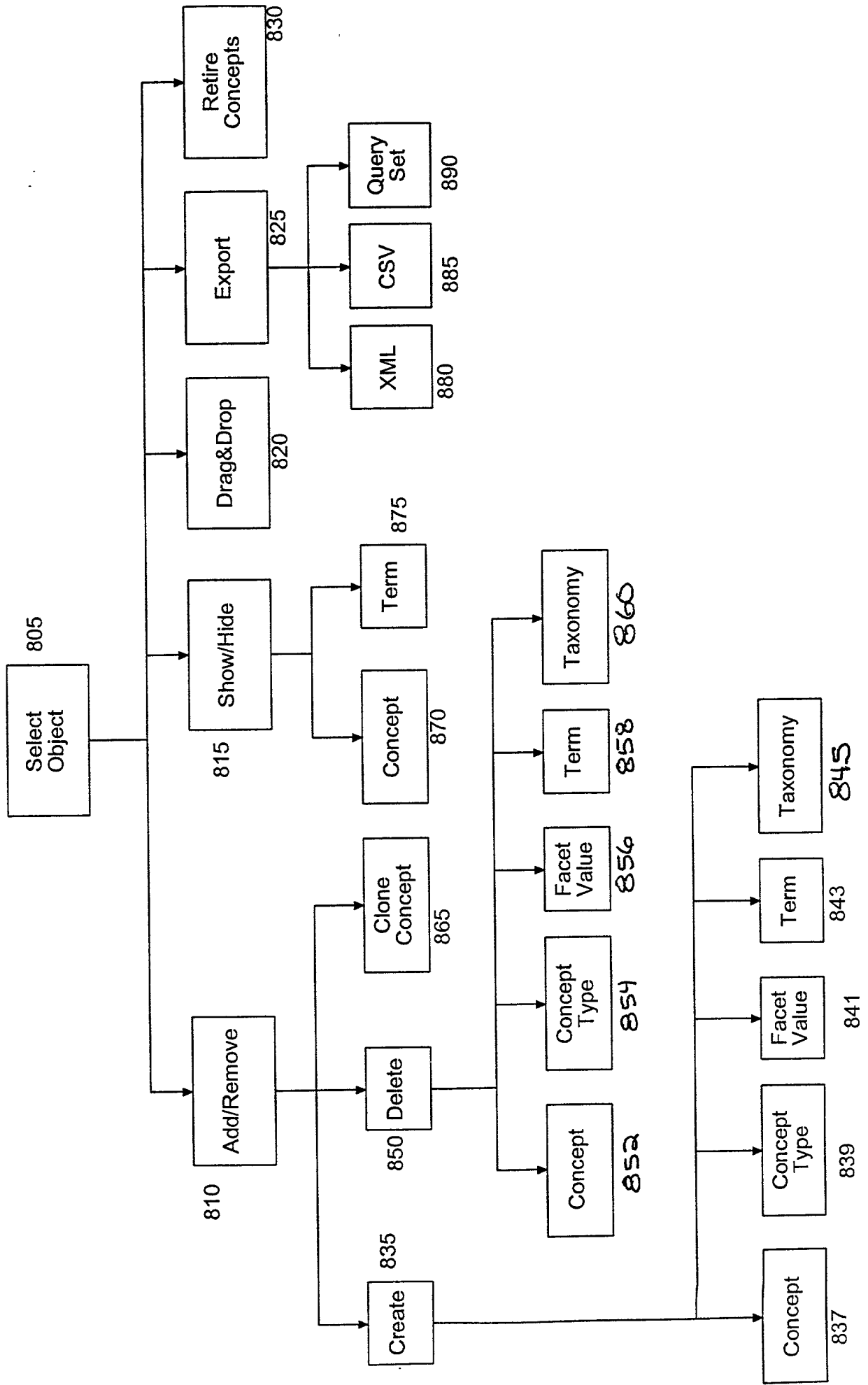


Figure 8B

HL Concept Type Displayability Settings

Check concept types that should be displayed for the respective components

Concept Type	Plex	Attribute Table	Search Dialog
CPT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First DataBank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FOUNDATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HCPCS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-10-AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICD-9-CM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MeSH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NIC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

FOIb04079452860

Figure 8c

HL Concept Type Definition Editor

GUID:	
Concept Type Name	Rose Billing
Concept Type Nickname	RoseBilling
Description:	Hierarchical Rose Billing Code

Figure 9

FIG. 9

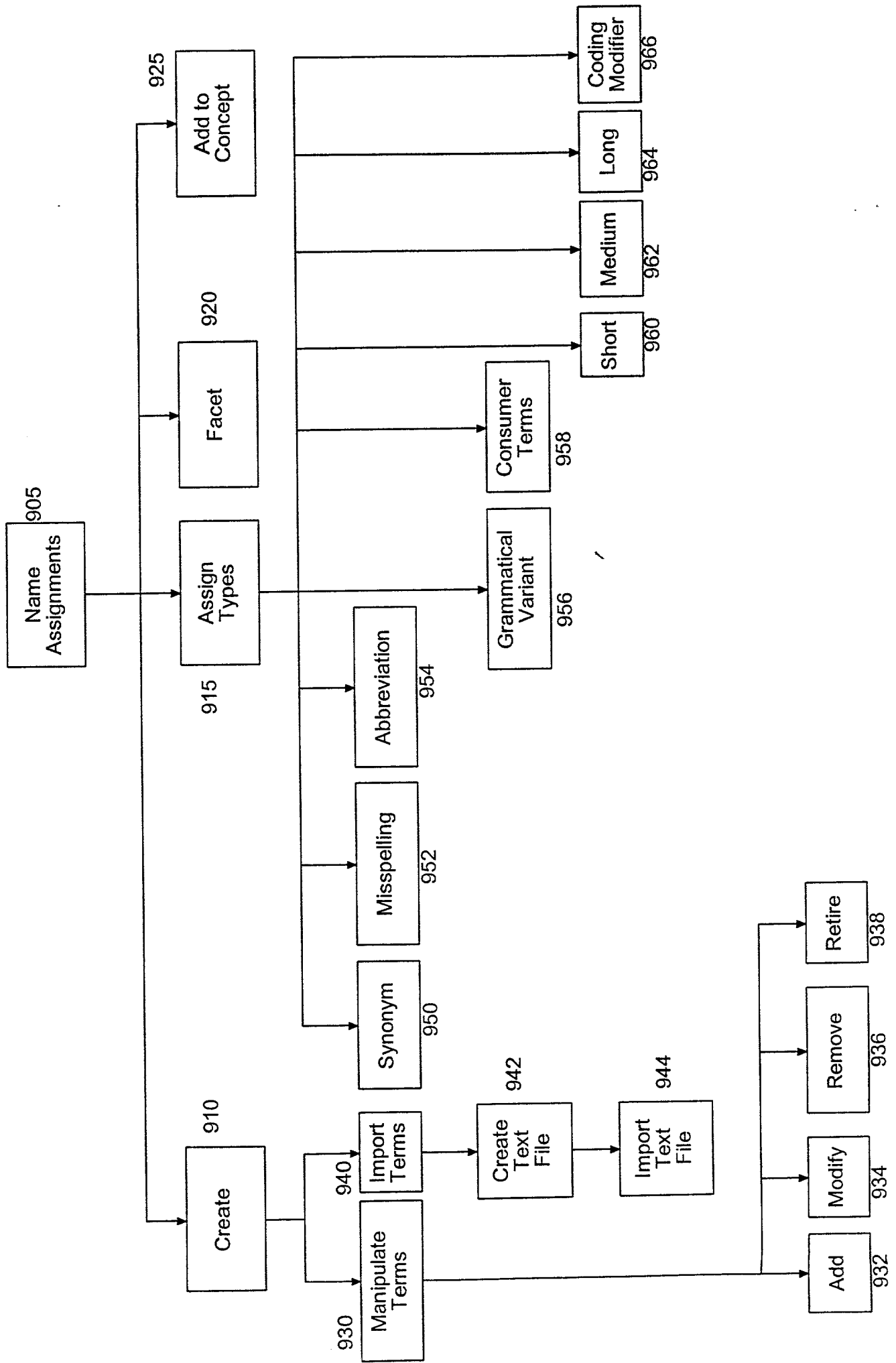
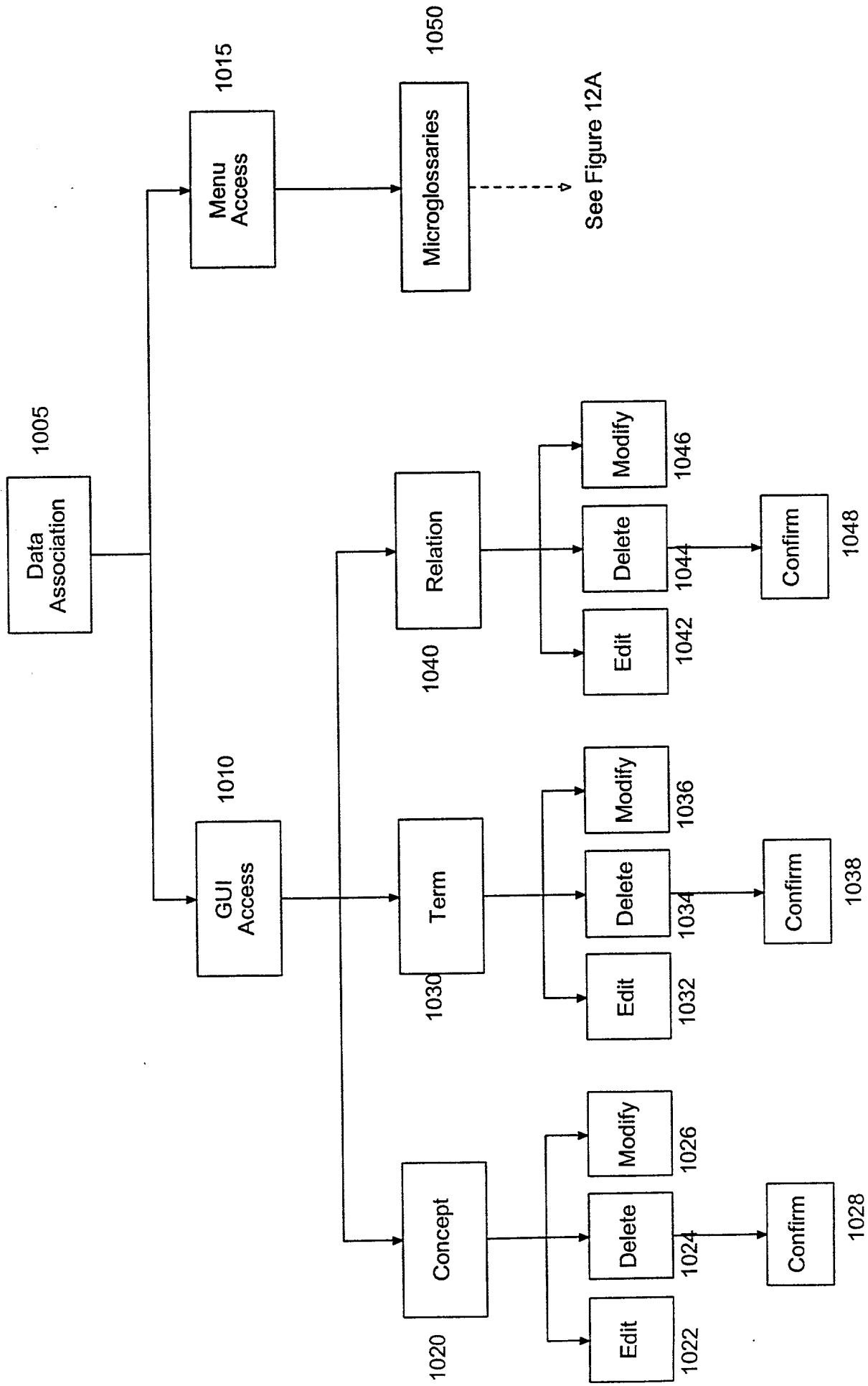


Figure 10A



1. $\alpha$ (degrees)		2. $\beta$ (degrees)		3. $\gamma$ (degrees)		4. $\delta$ (degrees)		5. $\epsilon$ (degrees)		6. $\zeta$ (degrees)		7. $\eta$ (degrees)		8. $\theta$ (degrees)		9. $\phi$ (degrees)		10. $\psi$ (degrees)		11. $\chi$ (degrees)		12. $\omega$ (degrees)		13. $\nu$ (degrees)		14. $\mu$ (degrees)		15. $\lambda$ (degrees)		16. $\kappa$ (degrees)		17. $\iota$ (degrees)		18. $\omicron$ (degrees)		19. $\pi$ (degrees)		20. $\rho$ (degrees)		21. $\sigma$ (degrees)		22. $\tau$ (degrees)		23. $\upsilon$ (degrees)		24. $\phi$ (degrees)		25. $\chi$ (degrees)		26. $\omega$ (degrees)		27. $\nu$ (degrees)		28. $\mu$ (degrees)		29. $\lambda$ (degrees)		30. $\kappa$ (degrees)		31. $\iota$ (degrees)		32. $\omicron$ (degrees)		33. $\pi$ (degrees)		34. $\rho$ (degrees)		35. $\sigma$ (degrees)		36. $\tau$ (degrees)		37. $\upsilon$ (degrees)		38. $\phi$ (degrees)		39. $\chi$ (degrees)		40. $\omega$ (degrees)		41. $\nu$ (degrees)		42. $\mu$ (degrees)		43. $\lambda$ (degrees)		44. $\kappa$ (degrees)		45. $\iota$ (degrees)		46. $\omicron$ (degrees)		47. $\pi$ (degrees)		48. $\rho$ (degrees)		49. $\sigma$ (degrees)		50. $\tau$ (degrees)		51. $\upsilon$ (degrees)		52. $\phi$ (degrees)		53. $\chi$ (degrees)		54. $\omega$ (degrees)		55. $\nu$ (degrees)		56. $\mu$ (degrees)		57. $\lambda$ (degrees)		58. $\kappa$ (degrees)		59. $\iota$ (degrees)		60. $\omicron$ (degrees)		61. $\pi$ (degrees)		62. $\rho$ (degrees)		63. $\sigma$ (degrees)		64. $\tau$ (degrees)		65. $\upsilon$ (degrees)		66. $\phi$ (degrees)		67. $\chi$ (degrees)		68. $\omega$ (degrees)		69. $\nu$ (degrees)		70. $\mu$ (degrees)		71. $\lambda$ (degrees)		72. $\kappa$ (degrees)		73. $\iota$ (degrees)		74. $\omicron$ (degrees)		75. $\pi$ (degrees)		76. $\rho$ (degrees)		77. $\sigma$ (degrees)		78. $\tau$ (degrees)		79. $\upsilon$ (degrees)		80. $\phi$ (degrees)		81. $\chi$ (degrees)		82. $\omega$ (degrees)		83. $\nu$ (degrees)		84. $\mu$ (degrees)		85. $\lambda$ (degrees)		86. $\kappa$ (degrees)		87. $\iota$ (degrees)		88. $\omicron$ (degrees)		89. $\pi$ (degrees)		90. $\rho$ (degrees)		91. $\sigma$ (degrees)		92. $\tau$ (degrees)		93. $\upsilon$ (degrees)		94. $\phi$ (degrees)		95. $\chi$ (degrees)		96. $\omega$ (degrees)		97. $\nu$ (degrees)		98. $\mu$ (degrees)		99. $\lambda$ (degrees)		100. $\kappa$ (degrees)		101. $\iota$ (degrees)		102. $\omicron$ (degrees)		103. $\pi$ (degrees)		104. $\rho$ (degrees)		105. $\sigma$ (degrees)		106. $\tau$ (degrees)		107. $\upsilon$ (degrees)		108. $\phi$ (degrees)		109. $\chi$ (degrees)		110. $\omega$ (degrees)		111. $\nu$ (degrees)		112. $\mu$ (degrees)		113. $\lambda$ (degrees)		114. $\kappa$ (degrees)		115. $\iota$ (degrees)		116. $\omicron$ (degrees)		117. $\pi$ (degrees)		118. $\rho$ (degrees)		119. $\sigma$ (degrees)		120. $\tau$ (degrees)		121. $\upsilon$ (degrees)		122. $\phi$ (degrees)		123. $\chi$ (degrees)		124. $\omega$ (degrees)		125. $\nu$ (degrees)		126. $\mu$ (degrees)		127. $\lambda$ (degrees)		128. $\kappa$ (degrees)		129. $\iota$ (degrees)		130. $\omicron$ (degrees)		131. $\pi$ (degrees)		132. $\rho$ (degrees)		133. $\sigma$ (degrees)		134. $\tau$ (degrees)		135. $\upsilon$ (degrees)		136. $\phi$ (degrees)		137. $\chi$ (degrees)		138. $\omega$ (degrees)		139. $\nu$ (degrees)		140. $\mu$ (degrees)		141. $\lambda$ (degrees)		142. $\kappa$ (degrees)		143. $\iota$ (degrees)		144. $\omicron$ (degrees)		145. $\pi$ (degrees)		146. $\rho$ (degrees)		147. $\sigma$ (degrees)		148. $\tau$ (degrees)		149. $\upsilon$ (degrees)		150. $\phi$ (degrees)		151. $\chi$ (degrees)		152. $\omega$ (degrees)		153. $\nu$ (degrees)		154. $\mu$ (degrees)		155. $\lambda$ (degrees)		156. $\kappa$ (degrees)		157. $\iota$ (degrees)		158. $\omicron$ (degrees)		159. $\pi$ (degrees)		160. $\rho$ (degrees)		161. $\sigma$ (degrees)		162. $\tau$ (degrees)		163. $\upsilon$ (degrees)		164. $\phi$ (degrees)		165. $\chi$ (degrees)		166. $\omega$ (degrees)		167. $\nu$ (degrees)		168. $\mu$ (degrees)		169. $\lambda$ (degrees)		170. $\kappa$ (degrees)		171. $\iota$ (degrees)		172. $\omicron$ (degrees)		173. $\pi$ (degrees)		174. $\rho$ (degrees)		175. $\sigma$ (degrees)		176. $\tau$ (degrees)		177. $\upsilon$ (degrees)		178. $\phi$ (degrees)		179. $\chi$ (degrees)		180. $\omega$ (degrees)		181. $\nu$ (degrees)		182. $\mu$ (degrees)		183. $\lambda$ (degrees)		184. $\kappa$ (degrees)		185. $\iota$ (degrees)		186. $\omicron$ (degrees)		187. $\pi$ (degrees)		188. $\rho$ (degrees)		189. $\sigma$ (	
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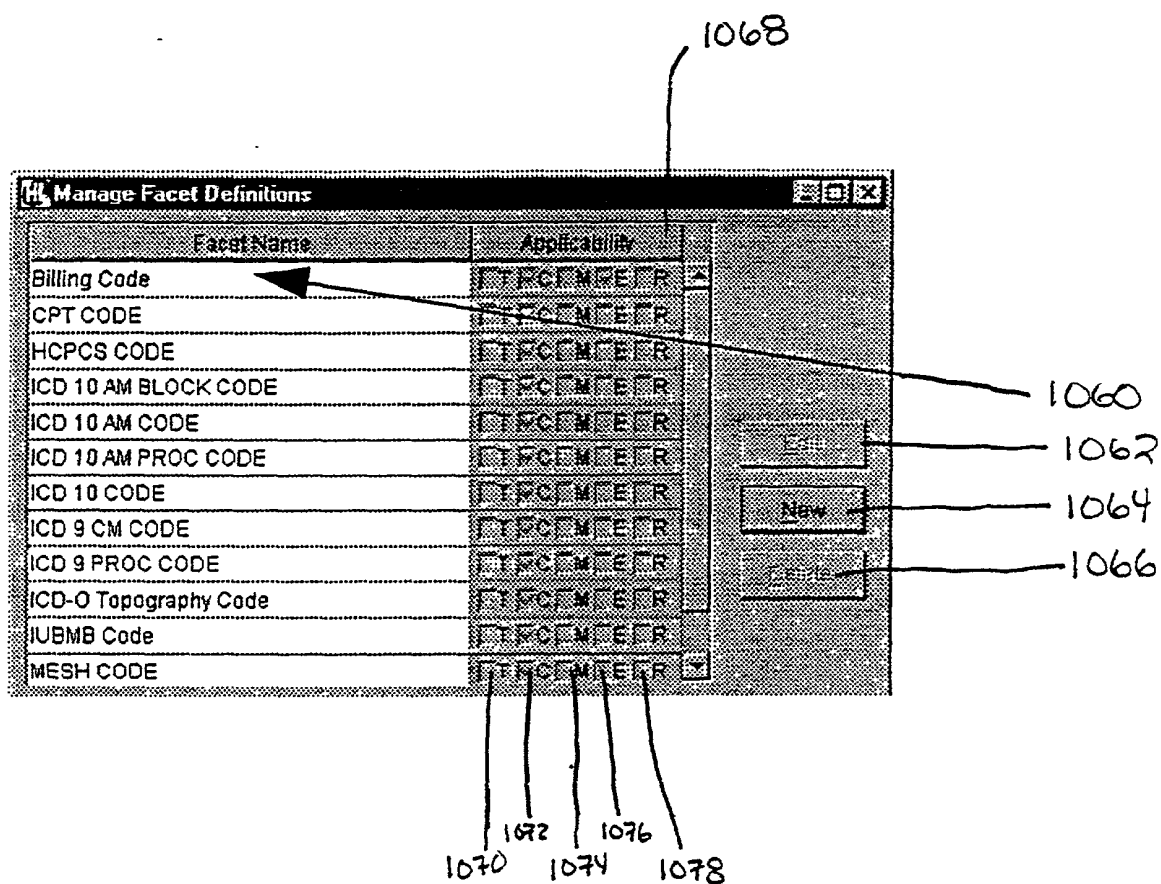


Figure 11A

Downloaded from www.ascelibrary.org

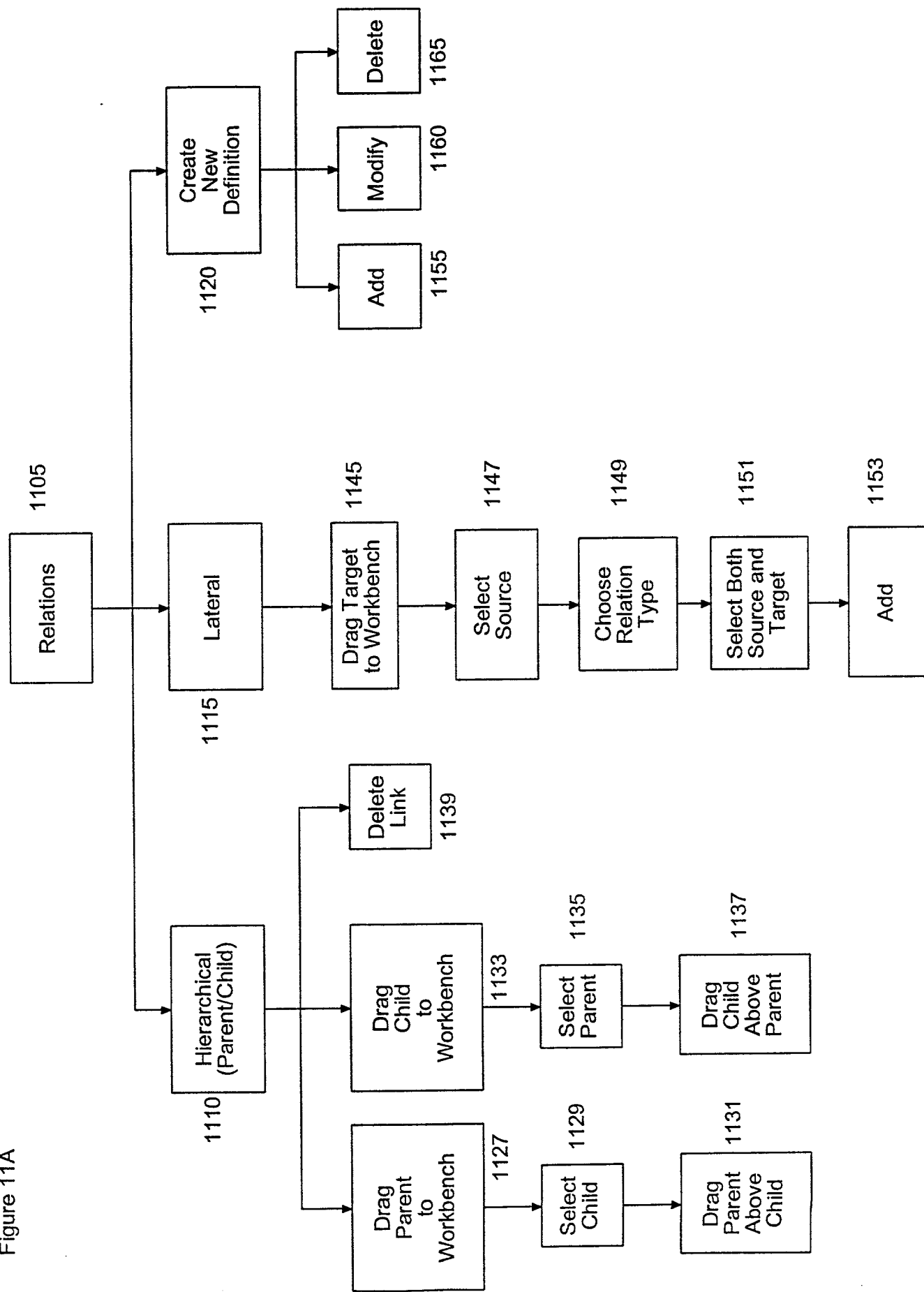




Figure 11B

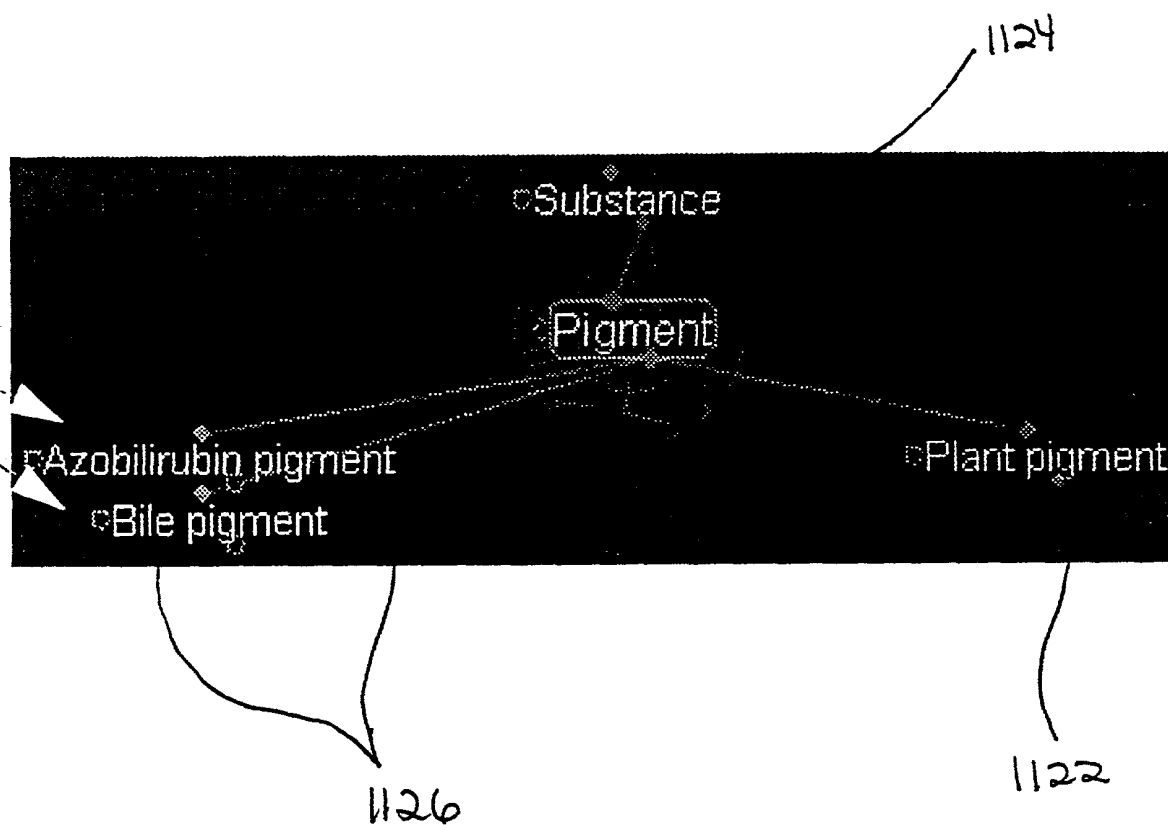
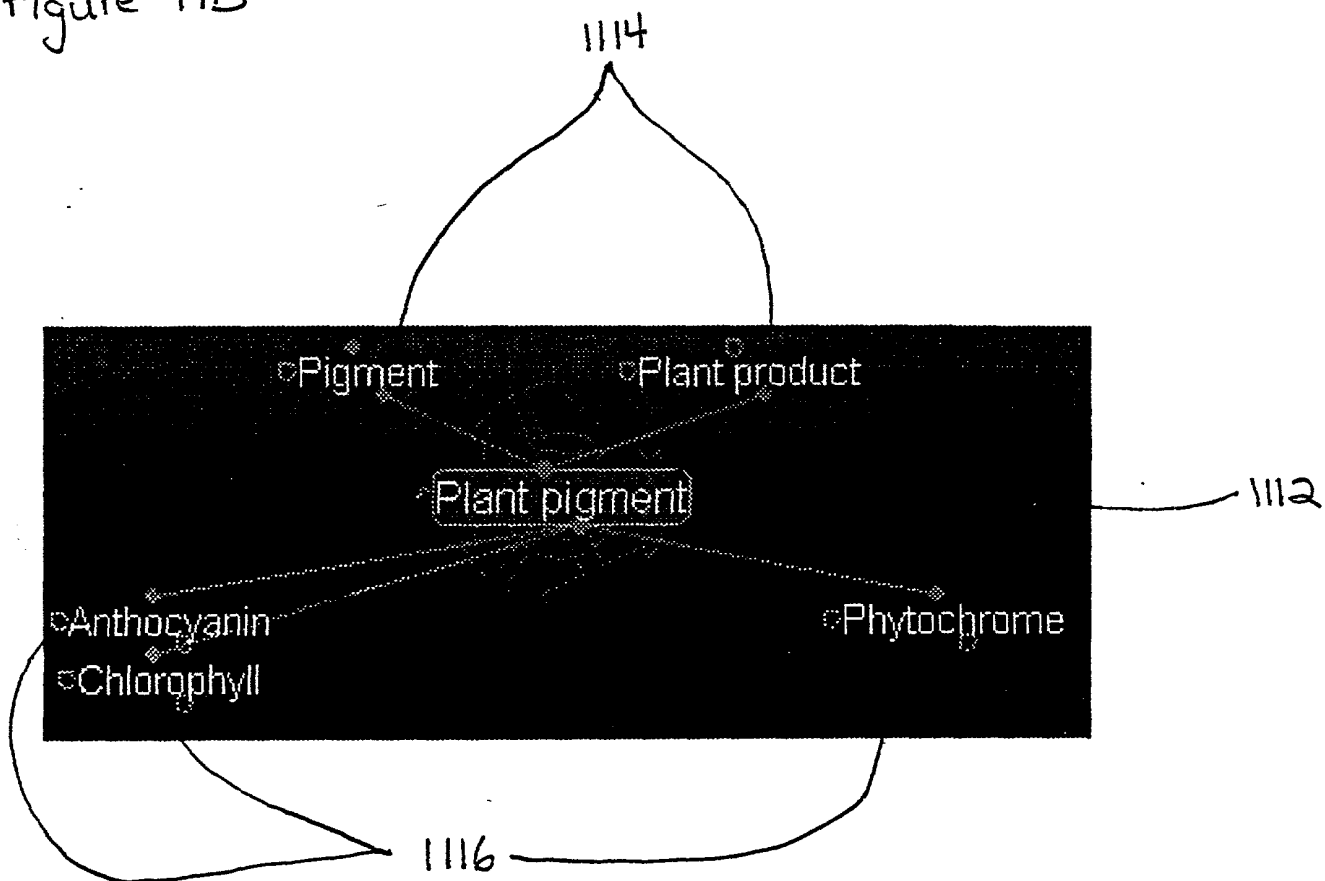
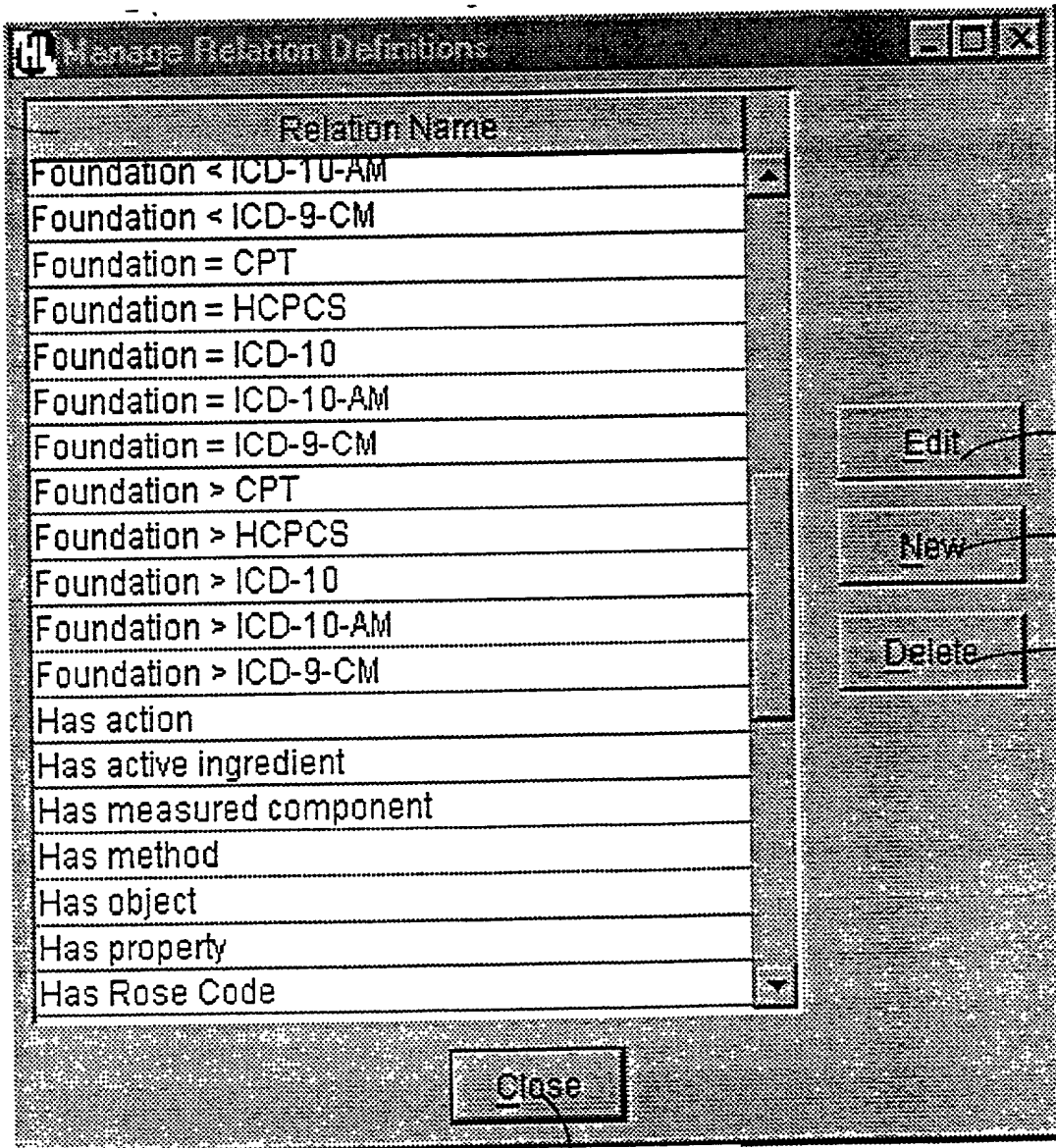


Figure 11c



FOUO 19462860

Figure 11D

**Edit Relation Definition**

GUID:

Relation Name:

Relation Nickname:

Description:

Attribute	Value
Is Reciprocal	<input type="checkbox"/>
Reciprocal Name	
Type Restriction	Equal
Source Type	ICD-9-CM
Target Type	ICD-9-CM
Hierarchical	<input type="checkbox"/>
Inheritance Relation	<input type="checkbox"/>
Cardinality	Single-Valued
Ordered	<input type="checkbox"/>
Transitive	<input type="checkbox"/>
Acyclic	<input type="checkbox"/>
Inheritable	<input type="checkbox"/>
Relationship qualifier	None
Displayable	<input checked="" type="checkbox"/>
Immutable	<input type="checkbox"/>

Ok Cancel

1170

1172

1174

1176

1180

1182

1184

FIG. 11D

Figure 12A

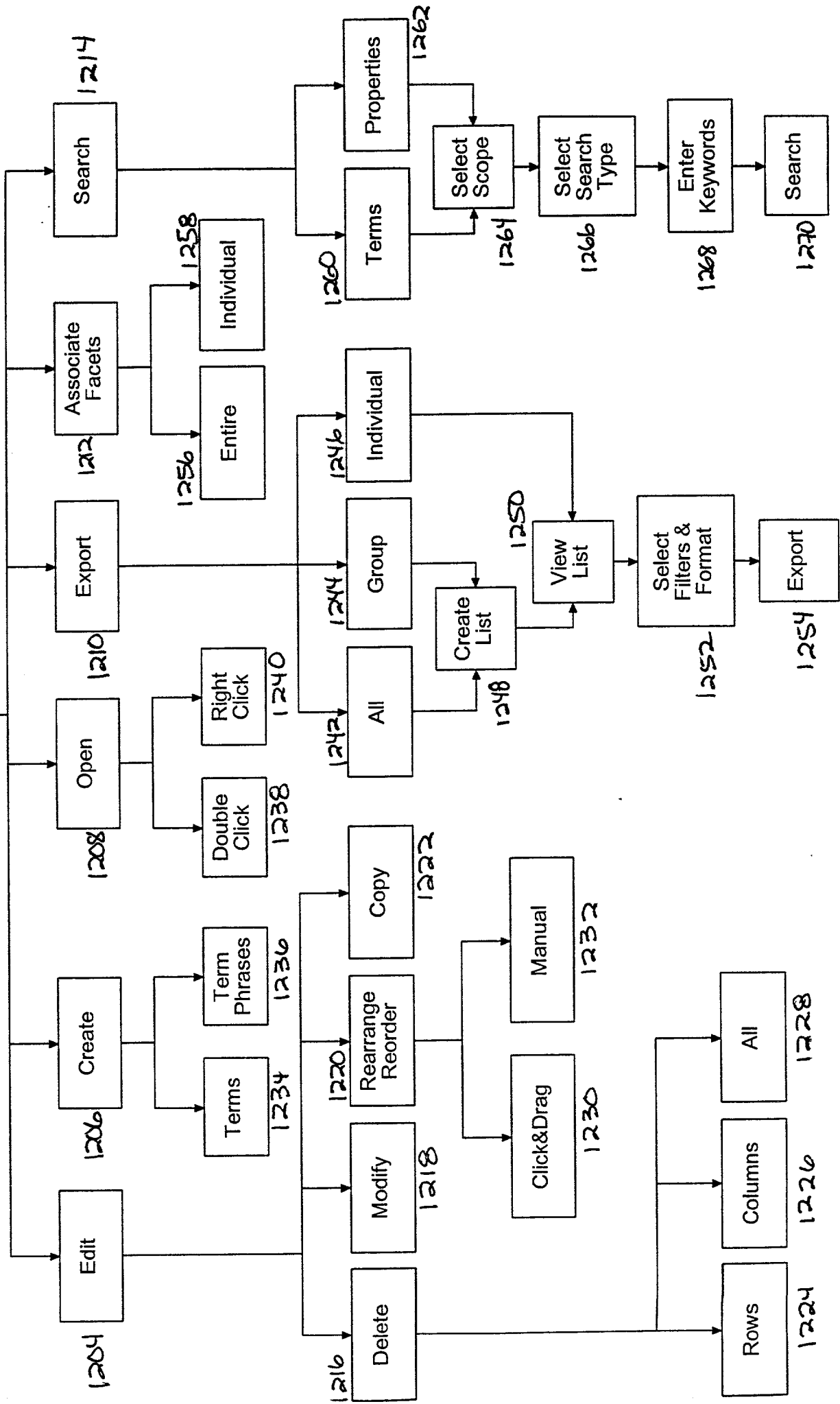


Figure 12B

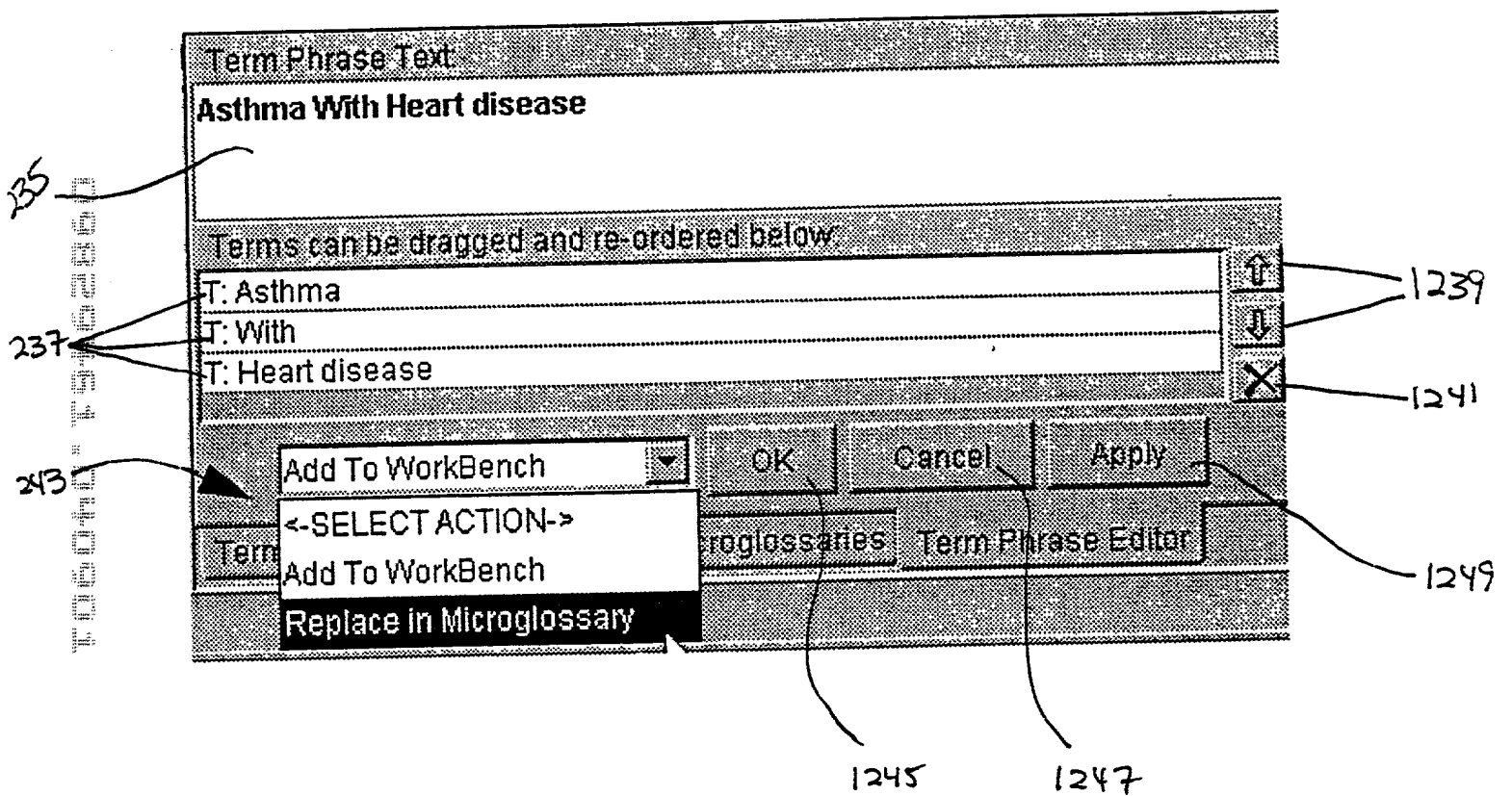


Figure 12C

FIG. 12C

1200

1286

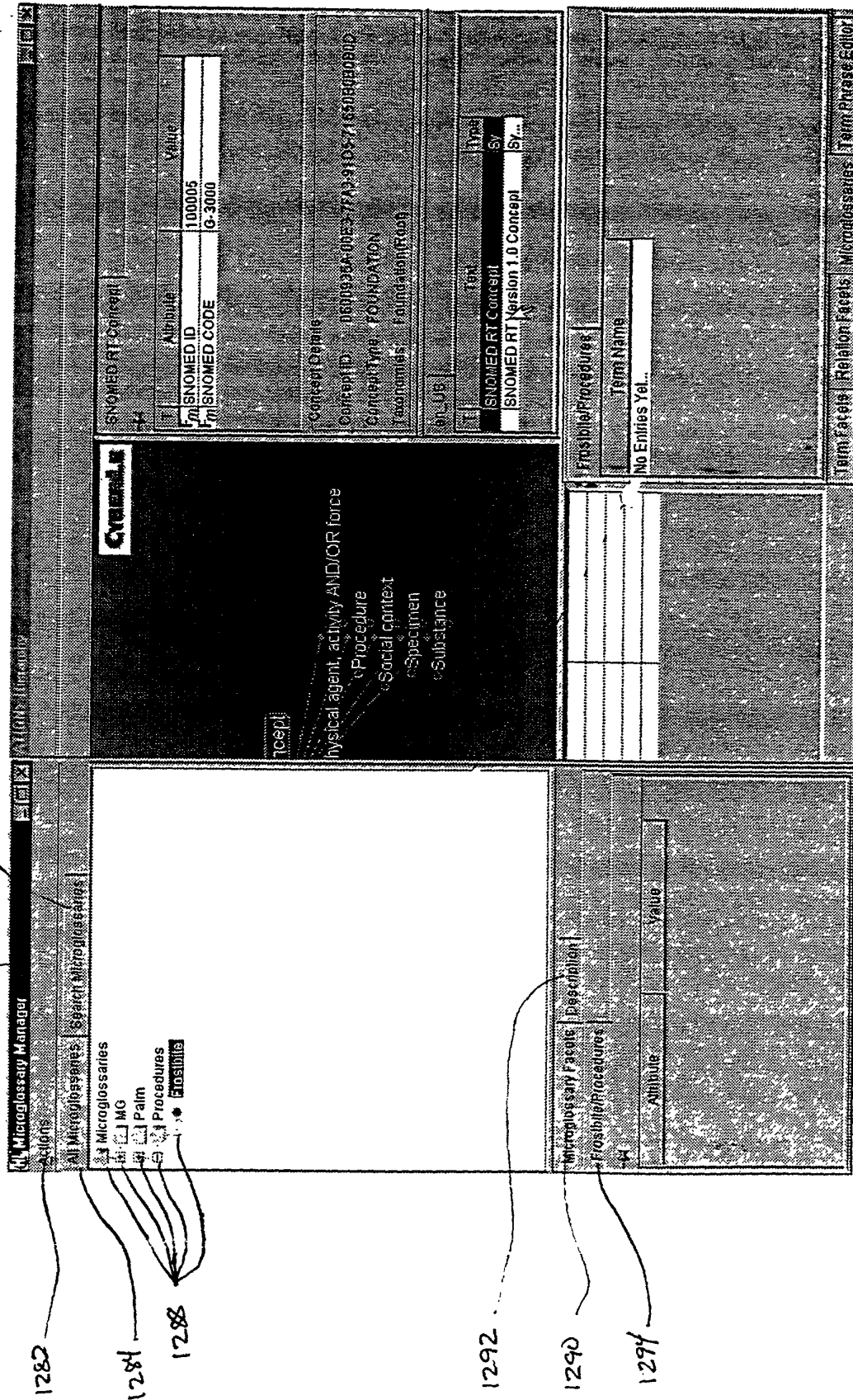


Figure 12D

FIG. 12D

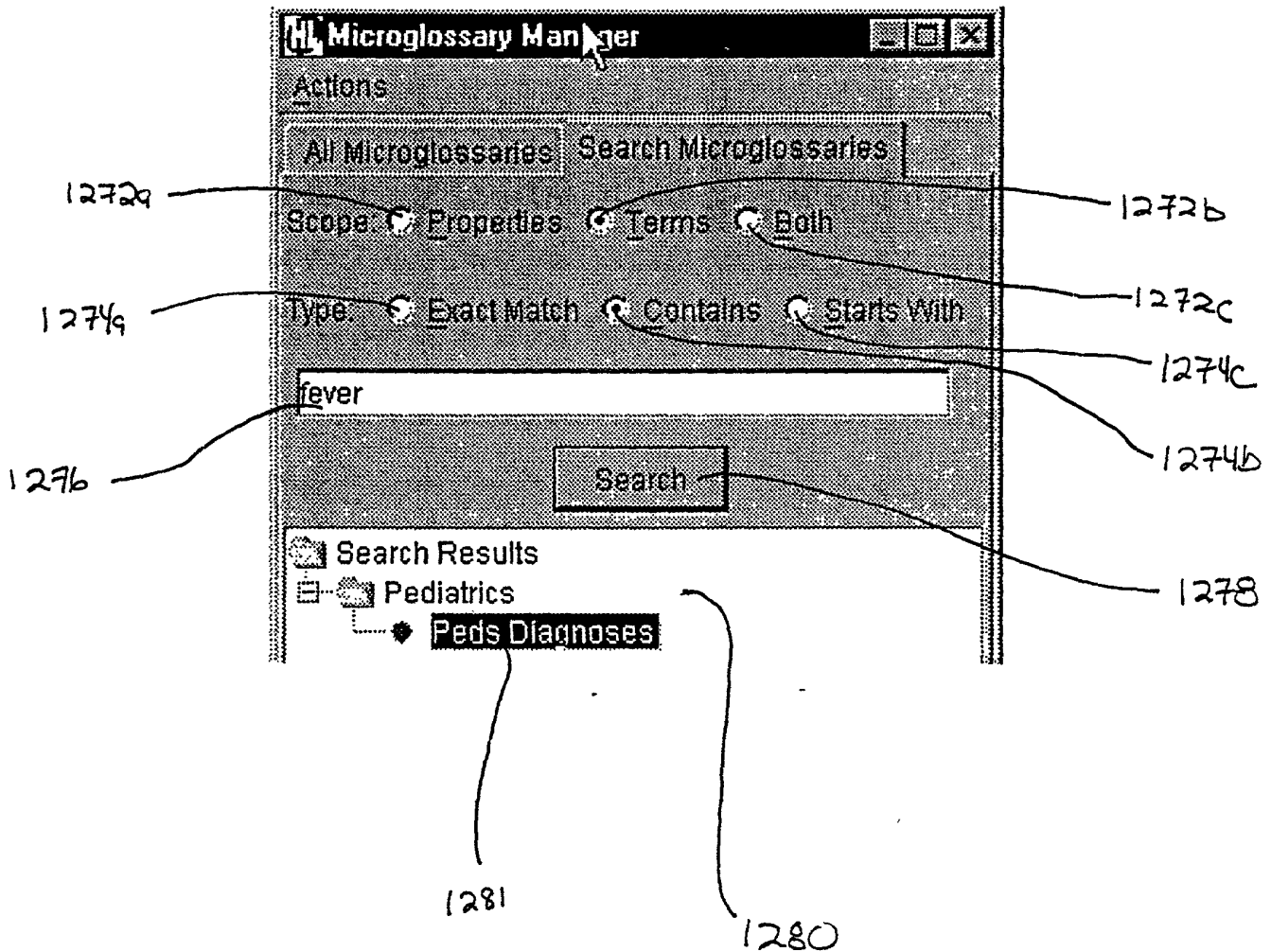


Figure 12E

**Microglossary Export Options Manager**

Please specify the details of the export format

☐ Export as XML

☐ Export as Query Set

☒ Export as CSV

☒ Exclude column headers

Facets to export

Field Quote String		ICD 9 CM CODE
Field Separator String		ICD 9 PROC CODE
Value Quote String		ICD-O Topography Code
Value Separator String	~	IUBMB Code
		MESH CODE
		MG Facet
		<b>SNOMED CODE</b>
		SNOMED ID
		ICD 9 CM CODE

☐ Sorted ☒ By Term Text

☐ By Facet Value

Filtering Code

< Back Next > Cancel

53a

53b

53c

57a

57b

57c

57d

1261

1263a

1263b

1267

1269

1271

1255

125

1265



Figure 13A

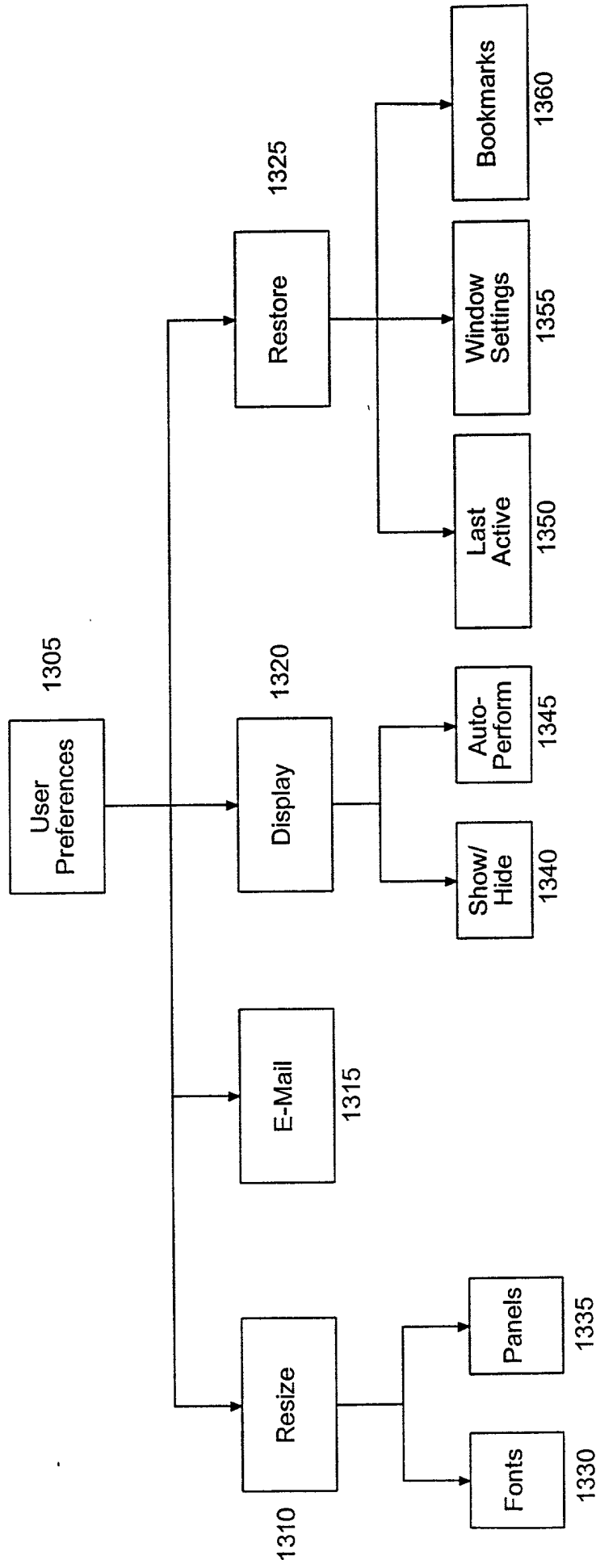


Figure 13B

**Edit User Preferences**

**Session Settings**

- ☒ Restore last active concept
- ☒ Restore window position and dimensions
- ☒ Restore concept bookmarks
- ☒ Enable Plex resizing

**Navigation and Modeling Settings**

- ☐ View Retired Concepts in navigation hierarchy
- ☐ Auto-replace subsumed/subsuming parents when adding a Parent
- ☒ Restore term candidates

**User Information**

E-mail address:

SMTP Host:

**Properties**

Facets | Relations

Facet	Displayed
Abbreviation Code	<input checked="" type="checkbox"/>
AHFS Class ID	<input checked="" type="checkbox"/>
CPT CODE	<input checked="" type="checkbox"/>
Definition	<input checked="" type="checkbox"/>
Dispensable ID	<input checked="" type="checkbox"/>
Dose Form ID	<input checked="" type="checkbox"/>

Figure 14

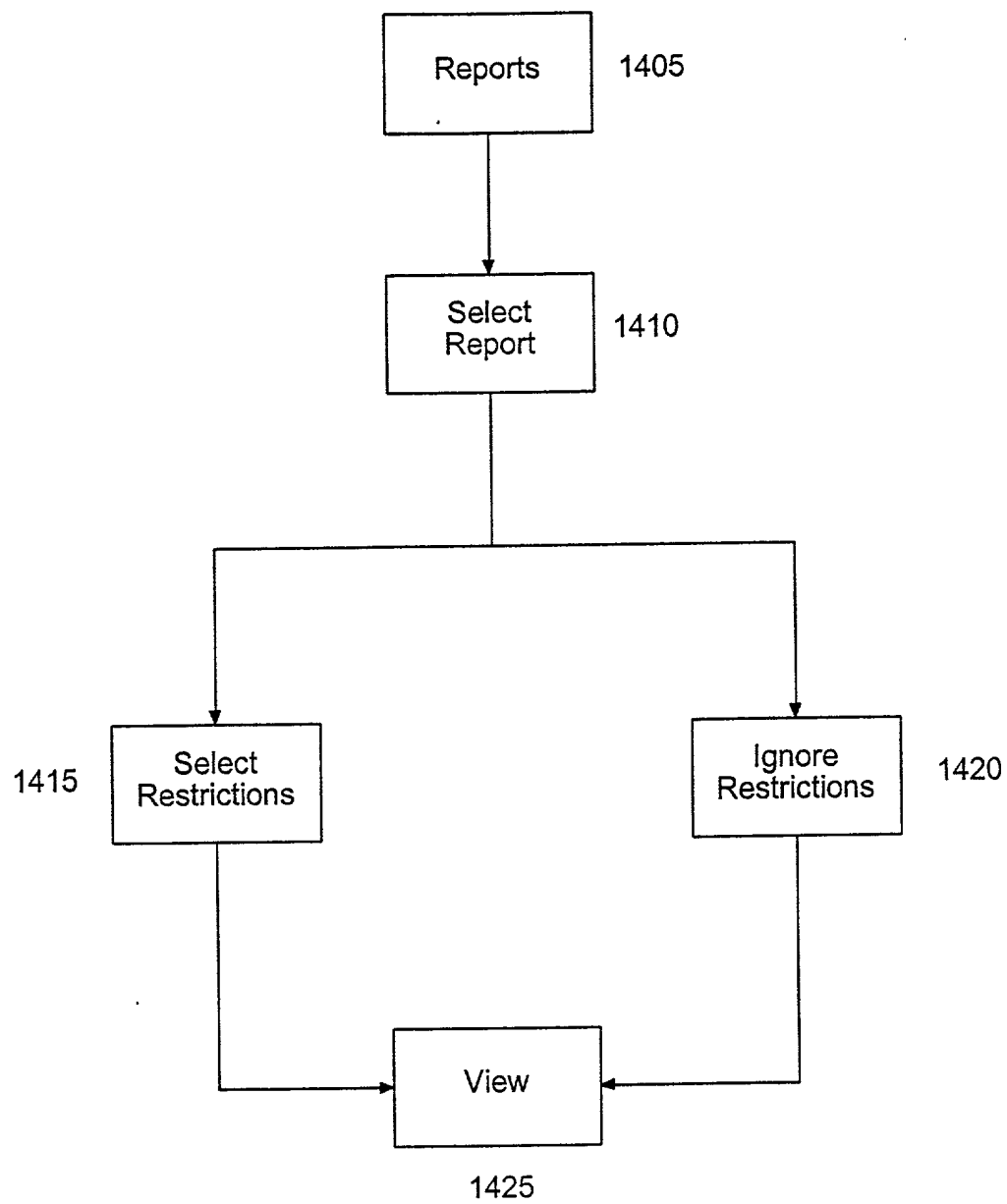


Figure 15

